

ANALYTICAL & CONSULTING CHEMISTS

Environmental Chemists, Inc.

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info@environmentalchemists.com

January 8, 2019

Brunswick County Public Utilities Post Office Box 249 Bolivia, NC 28422 Attn: Glenn Walker

Report #2018-20651 Collected – December 13, 2018

Enclosed please find your analytical report.

Sincerely,

Tammy Duran Environmental Chemists, Inc.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis

Page 2 of 3

Customer: Environmental Chemists NLS Project: 313957

Project Title: Project Description: PFCs by EPA 537 w/GenX

Template: 537PPTGENX Printed: 01/07/2019 21:21

| Sample: 1098894 #52076 Collected: 12/13/18 Analyzed: 01/03/19 - Analytes: 13 ANALYTE NAME RES NI | nalytes: 13 RESULT ND | UNITS WWB | → ₽ | LOD | L0Q | Note |
|---|-------------------------|-----------|-----|------------|-----|---|
| perfluorohexanoic acid (PFHxA) | 4.39 | ppt | _ | <u>.</u> . | 4,0 | |
| perfluoro-2-propoxypropanoic acid (GenX) | 2.4 | ppt | _ | 0.73 | 2.3 | |
| perfluoroheptanoic acid (PFHpA) | 4.52 | ppt | _ | 0.80 | 2.6 | |
| perfluorohexanesulfonic acid (PFHxS) | [2.82] | ppt | _ | 2.8 | 8.8 | 00144040000000000000000000000000000000 |
| perfluorooctanoic acid (PFOA) | 4.04 | ppt | | 1.2 | 3.9 | |
| perfluorononanoic acid (PFNA) | S | ppt | > | 1.5 | 4.9 | |
| perfluorooctanesulfonic acid (PFOS) | 8.58 | ppt | | 1.7 | 5.3 | |
| perfluorodecanoic acid (PFDA) | 8 | ppt | | 0.90 | 2.7 | The second control of |
| perfluoroundecanoic acid (PFUnA) | 8 | ppt | | 1.0 | 3.0 | |
| perfluorododecanoic acid (PFDoA) | 8 | ppt | | 1.9 | 6.1 | |
| perfluorotridecanoic acid (PFTrDA) | 3 | ppt | | 3.2 | 70 | |
| perfluorotetradecanoic acid (PFTA) | 8 | ppt | | 2.8 | 8.9 | |
| C13-PFHxA (SURR) | 55.582% | | | | | SR S |
| C13-PFDA (SURR) | 76.237% | | _ | | | S |
| | | | | | | |

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

SR = Surrogate recovery was outside QC limits.

C13-PFHxA recovered below QC limits.

| ANALYTE NAME | RESULT | UNITSWWB | | בסם | רסמ | Note |
|--|---------|----------|-------------|------------|-----|-------|
| perfluorobutanesulfonic acid (PFBS) | S | ppt | _ | 6.6 | 21 | |
| perfluorohexanoic acid (PFHxA) | 6.88 | ppt | | <u>-</u> သ | 4.0 | |
| perfluoro-2-propoxypropanoic acid (GenX) | 2.55 | ppt | | 0.73 | 2.3 | |
| perfluoroheptanoic acid (PFHpA) | 6.52 | ppt | _ | 0.80 | 2.6 | |
| perfluorohexanesulfonic acid (PFHxS) | 8 | ppt | > | 2.8 | 8.8 | 0.000 |
| perfluorooctanoic acid (PFOA) | 5.85 | ppt | | 1.2 | 3.9 | |
| perfluorononanoic acid (PFNA) | S | pot | | -1 .5 | 4.9 | |
| perfluorooctanesulfonic acid (PFOS) | 10.1 | ppt | | 1.7 | 5.3 | |
| perfluorodecanoic acid (PFDA) | S | ppt | | 0.90 | 2.7 | |
| perfluoroundecanoic acid (PFUnA) | 3 | ppt | | 1.0 | 3.0 | |
| perfluorododecanoic acid (PFDoA) | ND | ppt | _ | 1.9 | 6.1 | |
| perfluorotridecanoic acid (PFTrDA) | 3 | ppt | | 3.2 | 10 | |
| perfluorotetradecanoic acid (PFTA) | 3 | ppt | > | 2.8 | 8.9 | |
| C13-PFHxA (SURR) | 59.574% | | > | | | SRS |
| C13-PFDA (SURR) | 81.544% | | | | | တ |

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

SR = Surrogate recovery was outside QC limits.

C13-PFHxA recovered below QC limits.

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> info@environmentalchemists.com OFFICE: 910-392-0223 FAX 910-392-4424

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